

Safety Data Sheet per OSHA HazCom 2012

Réviev	ved on 12/05/2008
1 Identification	
Product identifier	
Product name: 2-Amino-5-chlorothiazole hydrochloride	
Stock number: L05707 CAS Number:	
55506-37-1 EC number:	
259-680-4 Relevant identified uses of the substance or mixture and uses advised against.	
Identified use: SU24 Scientific research and development	
Details of the supplier of the safety data sheet Manufacturer/Supplier:	
Alfa Aesar Thermo Fisher Scientific Chemicals, Inc.	
30 Bond Street	
Ward Hill, MA 01835-8099 Tel: 800-343-0660 Fax: 800-322-4757	
Email: tech@alfa.com www.alfa.com	
Information Department: Health, Safety and Environmental Department	
Emergency telephone number: During normal hours the Health, Safety and Environmental Department at 858-716-2400. After normal hours call Chemtrec at (800) 424-9300. During normal business hours (Monday-Friday, 8am-7pm EST), call (800) 343-0660. After normal business hours, call Carechem 24 at (866) 928-0	
During normal business hours (Monday-Friday, 8am-7pm EST), call (800) 343-0660. After normal business hours, call Carechem 24 at (866) 928-	0789.
2 Hazard(s) identification	
Classification of the substance or mixture in accordance with 29 CFR 1910 (OSHA HCS)	
GHS06 Skull and crossbones	
Acute Tox. 3 H301 Toxic if swallowed.	
Hazards not otherwise classified No information known.	
GHS label elements The product is classified and labeled in accordance with 29 CFR 1910 (OSHA HCS) Hazard pictograms	
GHS06	
Signal word Danger Hazard statements	
H301 Toxic if swallowed. Precautionary statements	
P264 Wash thoroughly after handling. P270 Do not eat, drink or smoke when using this product.	
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor/ P321 Specific treatment (see on this label).	
P405 Store locked up. P501 Dispose of contents/container in accordance with local/regional/national/international regulations.	
WHMIS classification D1B - Toxic material causing immediate and serious toxic effects	
Classification system	
HMIS ratings (scale 0-4) (Hazardous Materials Identification System)	
HEALTH Health (acute effects) = 1 FIRE Flammability = 1	
FIRE I REACTIVITY Physical Hazard = 1	
Other hazards Results of PBT and vPvB assessment	
PBT: Not applicable.	
vPvB: Not applicable.	
3 Composition/information on ingredients	
Chemical characterization: Substances CAS# Description:	
55506-37-1 2 ⁻ Amino-5-chlorothiazole hydrochloride Identification number(s):	
Identification number(s): EC number: 259-680-4	
4 First-aid measures	
Description of first aid measures After inhalation	
Supply fresh air. If required, provide artificial respiration. Keep patient warm. Seek immediate medical advice.	
After skin contact	
Immediately wash with water and soap and rinse thoroughly. Seek immediate medical advice.	
After swallowing Seek medical treatment.	
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Product name: 2-Amino-5-chlorothiazole hydrochloride

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Product name: 2-Amino-5-Chiorotina				
Information for doctor Most important symptoms and effects Indication of any immediate medical a	s, both acute and delayed No further relevant information available. ttention and special treatment needed No further relevant information available.	(Contd. of page 1)		
5 Fire-fighting measures Extinguishing media Suitable extinguishing agents Carbon Special hazards arising from the subs If this product is involved in a fire, the foll Carbon monoxide and carbon dioxide Nitrogen oxides (NOx) Hydrogen chloride (HCI) Sulfur oxides (SOx) Advice for firefighters Protective equipment: Wear self-contained respirator. Wear fully protective impervious suit.	dioxide, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam. tance or mixture lowing can be released:			
6 Accidental release measures Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation Environmental precautions: Do not allow material to be released to the environment without proper governmental permits. Methods and material for containment and cleaning up: Dispose of contaminated material as waste according to section 13. Prevention of secondary hazards: No special measures required. Reference to other sections See Section 7 for information on safe handling See Section 13 for information on personal protection equipment. See Section 13 for disposal information.				
7 Handling and storage Handling Precautions for safe handling Keep container tightly sealed. Store in cool, dry place in tightly closed containers. Ensure good ventilation at the workplace. Information about protection against explosions and fires: No information known. Conditions for safe storage, including any incompatibilities Storage Requirements to be met by storerooms and receptacles: No special requirements. Information about storage in one common storage facility: Store away from oxidizing agents. Further information about storage conditions: Keep container tightly sealed. Store in cool, dry conditions in well sealed containers. Specific end use(s) No further relevant information available.				
Control parameters Components with limit values that req				
Protection of hands:	andling chemicals should be followed. nd feed. hing immediately. nd of work. orking environment. pirator when high concentrations are present. e for their proper condition. depends on the material, but also on quality. Quality will vary from manufacturer to manufacturer. minutes) Not determined			
9 Physical and chemical properties				
Information on basic physical and che General Information Appearance: Form: Color: Odor:	emical properties Powder Cream Not determined			
Odor threshold:	Not determined.			
pH-value: Change in condition Melting point/Melting range: Boiling point/Boiling range: Sublimation temperature / start:	Not applicable. 168-172 °C (334-342 °F) Not determined Not determined			
Flash point: Flammability (solid, gaseous) Ignition temperature: Decomposition temperature:	Not applicable Not determined. Not determined Not determined	(Contd on page 2)		
		(Contd. on page 3)		

Product name: 2-Amino-5-chlorothiazole hydrochloride

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		(Contd. of page 2)
Auto igniting:	Not determined.	
Danger of explosion:	Product does not present an explosion hazard.	
Explosion limits: Lower:	Not determined	
Upper:	Not determined	
Vapor pressure:	Not applicable.	
Density: Relative density	Not determined Not determined.	
Vapor density	Not applicable.	
Evaporation rate	Not applicable.	
Solubility in / Miscibility with Water:	Soluble	
Partition coefficient (n-octanol/wat		
Viscosity:	Net environte	
dynamic: kinematic:	Not applicable. Not applicable.	
Other information	No further relevant information available.	
10 Stability and reactivity		
Reactivity No information known.		
Chemical stability Stable under reco	ommended storage conditions. ns to be avoided: Decomposition will not occur if used and stored according to specifications.	
Possibility of hazardous reactions	15 to be avoided: Decomposition will not occur it used and stored according to specifications. No dangerous reactions known	
Conditions to avoid No further relev	vant information available.	
Incompatible materials: Oxidizing a	gents	
Hazardous decomposition product Carbon monoxide and carbon dioxide		
Nitrogen oxides	,	
Hvdrogen chloride (HCl)		
Sulfur oxides (SOx)		
11 Toxicological information		
Information on toxicological effects		
Acute toxicity: Toxic if swallowed.	5	
LD/LC50 values that are relevant for		
Skin irritation or corrosion: May ca	use irritation	
Eye irritation or corrosion: May cau Sensitization: No sensitizing effects	ise irritation known	
Germ cell mutagenicity: No effects	known.	
Carcinogenicity: No classification da	ata on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH.	
Reproductive toxicity: No effects kn	10WN.	
Specific target organ system toxici	ity - repeated exposure: No effects known. ity - single exposure: No effects known.	
Aspiration hazard: No effects knowr	n.	
Subacute to chronic toxicity: No eff	ffects known.	
Additional toxicological informatio	n : To the best of our knowledge the acute and chronic toxicity of this substance is not fully known.	
12 Ecological information		
Toxicity		
Aquatic toxicity: No further relevant	t information available.	
Persistence and degradability No fu	further relevant information available.	
Bioaccumulative potential No furthe	er relevant information available.	
Mobility in soil No further relevant in Additional ecological information:	itormation available.	
General notes		
Do not allow material to be released t	to the environment without proper governmental permits. ge quantities to reach ground water, water course or sewage system.	
Do not allow undiluted product or larg	je quantities to reach ground water, water course or sewage system.	
Results of PBT and vPvB assessm	ient	
PBT: Not applicable.		
vPvB: Not applicable. Other adverse effects No further rele	lovant information available	
Other adverse enects no further rea		
13 Disposal considerations		
Waste treatment methods		
Recommendation Consult state, loca	al or national regulations to ensure proper disposal.	
Uncleaned packagings:		
Recommended cleansing agent: W	e made according to official regulations. /ater, if necessary with cleansing agents.	
	an, in nooccary min oranoing agone.	
14 Transport information		
Not a hazardous material for transpor	rtation.	
UN-Number	News	
DOT, IMDG, IATA	None	
UN proper shipping name DOT, IMDG, IATA	None	
Transport hazard class(es)		
DOT, ADR, IMDG, IATA Class	None	
	וזערווס	
Packing group DOT, IMDG, IATA	None	
Environmental hazards:	Not applicable.	
Special precautions for user	Not applicable.	
opecial precautions for user	ινοι αμριιταυίε.	
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Transport in bulk according to Annex II of MARPOL73/76	
Transport/Additional information:	Not dangerous according to the above specifications.
DOT Marine Pollutant (DOT):	No
Regulatory information	
Safety, health and environmental regulations/legislation GHS label elements The product is classified and labeled in Hazard pictograms	specific for the substance or mixture n accordance with 29 CFR 1910 (OSHA HCS)
GHS06	
Signal word Danger Hazard statements H301 Toxic if swallowed. Precautionary statements P264 Wash thoroughly after handling. P270 Do not eat, drink or smoke when using this proc P301+P310 IF SWALLOWED: Immediately call a POISON (luct. CENTER/ doctor/
	th local/regional/national/international regulations.
National regulations This product is not listed in the U.S. Environmental Protectic to research and development only. This product must be use product must not be used for commercial purposes or in forr SARA Section 313 (specific toxic chemical listings) Subs California Proposition 65	n Agency Toxic Substances Control Act Chemical Substance Inventory. Use of this product is restri ed by or directly under the supervision of a technically qualified individual as defined by TSCA. This nulations for commercial purposes. stance is not listed.
Prop 65 - Chemicals known to cause cancer Substance is Prop 65 - Developmental toxicity Substance is not listed. Prop 65 - Developmental toxicity, female Substance is no Prop 65 - Developmental toxicity, male Substance is not I Information about limitation of use: For use only by techn Other regulations, limitations and prohibitive regulations	t listed. isted.
Substance of Very High Concern (SVHC) according to the The conditions of restrictions according to Article 67 an market and use must be observed. Substance is not listed.	ne REACH Regulations (EC) No. 1907/2006. Substance is not listed. d Annex XVII of the Regulation (EC) No 1907/2006 (REACH) for the manufacturing, placing on
Annex XIV of the REACH Regulations (requiring Authori Chemical safety assessment: A Chemical Safety Assessm	nent has not been carried out.
information to ensure proper use and protect the health and	t to other information gathered by them, and should make independent judgement of suitability of this safety of employees. This information is furnished without warranty, and any use of the product not i bination with any other product or process, is the responsibility of the user.
Department issuing SDS: Global Marketing Department	
RID: Règlement international concernant le transport des marchandises danger IATA-DGR: Dangerous Goods Regulations by the "International Air Transport A ICAO: International Civil Aviation Organization ICAO-TI. Technical Instructions by the "International Civil Aviation Organization"	euses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail) ssociation" (IATA) " (ICAO)
IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transportation IATA: International Air Transport Association EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) HMIS: Hazardous Materials Identification System (USA) WHMIS: Workplace Hazardous Materials Information System (Canada) LCSO: Lethal concentration, 50 percent DEFU Lethal concentration, 50 percent	
LD30. Letital dose, 30 percent	
VPUB: very Persistent and very Bioaccumulative ACGIH: American Conference of Governmental Industrial Hygienists (USA) OSHA: Occupational Safety and Health Administration (USA) NTP: National Toxicology Program (USA) IARC: International Agency for Research on Cancer EPA: Environmental Protection Agency (USA)	
EPA: Environmental Protection Agency (USA)	